

# Joey Chiao-Yin Hsiao

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## RESEARCH INTERESTS

My research interests are Human-Computer Interaction (HCI), Computer-Supported Cooperative Work (CSCW), and Social Computing. My current topic is focused on how location-based social applications, such as people-nearby applications, hybrid community applications, sharing economy applications, can support newcomers in adapting to a new environment.

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## EDUCATION

University of Michigan	Ann Arbor, MI, USA
<b>Doctoral Candidate in Information</b>	09/2015 – present
Advisor: Dr. Tawanna R. Dillahun	
National Taiwan University	Taipei, Taiwan
<b>M.S. in Computer Science</b>	09/2010 – 06/2013
Advisor: Dr. Jane Yung-Jen Hsu	
Carnegie Mellon University (Silicon Valley Campus)	Moffett Field, CA, USA
<b>Visiting Scholar</b>	07/2012 – 09/2012
Advisor: Dr. Ted Selker	
National Taiwan University	Taipei, Taiwan
<b>B.S. in Computer Science</b>	09/2006 – 06/2010

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## PUBLICATIONS

### Journal Articles

- **Hsiao, J. C.-Y.** and Dillahun, T. R. (2018). Technology to Support Immigrant Access to Social Capital and Adaptation to a New Country. To appear in *Proceedings of the ACM on Human-Computer Interaction*, Vol. 2, CSCW, Article 70. (acceptance rate: 25.6%).

### Conference Proceeding Papers

- **Hsiao, J. C.-Y.**, Moser, C., Schoenebeck, S., and Dillahun, T. R. (2018). *The Role of Demographics, Trust, Computer Self-efficacy, and Ease of Use in the Sharing Economy*. In *Proc. of the 1st ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS '18)*, Article 37 (Presenter).
- **Hsiao, J. C.-Y.**, and Dillahun, T. R. (2017). *People-Nearby Applications: How Newcomers Move Their Relationships Offline and Develop Social and Cultural Capital*. In *Proc. of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17)*, 26-40 (acceptance rate: 33%; Presenter).
- Rajan, R., **Hsiao, J. C.-Y.**, Lahoti, D., and Selker, T. (2013). “Roger that!” - The Value of Adding Social Feedback in Audio-mediated Communications. In *Proc. of IFIP TC.13 International Conference on Human-Computer Interaction 2013 (INTERACT '13)*, 471-488 (acceptance rate: 31%).
- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., Hu, J.-C., Liang, R.-H., and Hsu, Y.-J. (2013). Designing a Reminiscence Aid in Personal Soundscape. In *Proc. of International Association of Societies of Design Research 2013 (IASDR '13)*, 5150-5160.

### Posters, Workshop Papers, and Presentations

- **Hsiao, J. C.-Y.**, Dillahun, T. R. (2017) *Detecting Life Changes: Increasing Opportunities to Benefit from People-Nearby Applications*. In *Proc. of The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2017 (CHI EA '17)*, 1700 - 1707 (Presenter).
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. (2015) Let's Solve It Together: Introducing Crowd Workers to Friendsourcing for Improving Creative Design. Presented at *The Taiwan Computer-Human Interaction Workshop 2015 (Tai-CHI '15)* (Presenter).
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. (2015). *The Price of the Priceless: Understanding Estimated Costs of Work in Friendsourcing*. In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2015 (CHI EA '15)*, 1893-1898 (Presenter).

## Posters, Workshop Papers, and Presentations (Cont.)

- Tsai, W.-C., Lee, H.-C., **Hsiao, J. C.-Y.**, Liang, R.-H., and Hsu, Y.-J. (2013). [Framing Design of Reminiscence Aids with Transactive Memory Theory](#). In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2013 (CHI EA '13)*, 331-336.
- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., and Hsu, Y.-J. (2012). In Search of Lost Sounds: Designing a Reminiscence Aid in Everyday Soundscape. Presented at *The ACM conference on Designing Interactive Systems 2012 (DIS '12)*.
- **Hsiao, J. C.-Y.**, Jih, W.-R., and Hsu, Y.-J. (2012). [Recognizing Continuous Social Engagement Level in Dyadic Conversation by Using Turn-taking and Speech Emotion Patterns](#). Presented at *AAAI '12 Activity Context Representation Workshop (ACR '12)* (Presenter).

## Unpublished Theses and Research Articles

- **Hsiao, J. C.-Y.** (2018). Social Network Matters: Opportunities for Technologies to Support Immigrants' Jobseeking. *Field Prelim*, School of Information, Univ. of Michigan.
- **Hsiao, J. C.-Y.** (2017). Can People-Nearby Applications Benefit Newly-Arrived Immigrants? An Exploratory Study. *Pre-candidacy research paper*, School of Information, Univ. of Michigan.
- **Hsiao, J. C.-Y.** (2012). Assessing Engagement in Conversation by Hierarchically Decomposing Emotion and Interaction. *Master's Thesis*, Dept. of Computer Science and Information Engineering (CSIE), Natl. Taiwan Univ.

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## HONOR

Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

### Graduation Representative

2012

Was chosen as the recognized master's student for leadership and active participation in student affairs of the department

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## PROFESSIONAL EXPERIENCE

[Social Innovations Group](#), School of Information, Univ. of Michigan

Ann Arbor, MI, USA

### Research Assistant

09/2015 – present

Supported Dr. Dillahunt and research of the Social Innovations Group (SIG), which is focused on designing technologies to help low-resourced populations seek employment and education (Advisor: Dr. Tawanna R. Dillahunt)

UX Team, [Intel-NTU IoX Center](#)

Taipei, Taiwan

### Workshop Organizer

03/2015 – 05/2015

Organized the collaborative workshop on design thinking of Stanford d.school and National Taiwan University IoX Center

### Research Assistant

07/2014 – 07/2015

Carried out research on user experience and natural user interface under smart environment as the only M.S. member in the team (Advisor: Dr. Bing-Yu Chen)

[Collaborative & Social Computing Lab](#), Dept. CS, Natl. Tsing-Hua Univ.

Hsinchu, Taiwan

### Collaborative Researcher

07/2014 – 07/2015

Led a project on friendsourcing, aiming to understand how social capital works when a SNS user requests resources on her/his own social network (Advisor: Dr. Hao-Chuan Wang)

Taiwan Army (Mandatory Military Service)

Taichung, Taiwan

### Company Chief Consultant (Second Lieutenant)

08/2013 – 07/2014

Handled psychological consulting, human resources management, and welfare of a military company with 40+ members

[Intelligent Agents Lab](#), Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

### System Administrator

03/2011 – 07/2013

Managed devices and web services for 30+ lab members

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## PROFESSIONAL SERVICES

### Academic Events & Activities

<i>ACM MobileHCI 2019</i>	09/2017 – Present
Student Volunteer Chair	
<i>TaiCHI 2015</i>	01/2015 – 07/2015
Organizing Committee	
<i>OpenHCI Workshop 2014 (student-organized workshop on HCI in Taiwan)</i>	01/2014 – 07/2014
Steering Committee	
<i>OpenHCI Workshop 2013</i>	01/2013 – 07/2013
Program Chair	
<i>OpenHCI Workshop 2011</i>	01/2011 – 07/2011
Registration and Volunteer Chair	

### Social Events & Activities

<i>Univ. of Michigan, School of Information</i>	08/2018 - Present
Doctoral Committee Representative	
<i>Annual Taiwan Night at CHI</i>	2015 - 2018
Organizing Committee	

### Reviewer

*ACM CHI 2017, 2018*  
*ACM CSCW 2017, 2018*  
*ACM MobileHCI 2018*  
*ACM TEI 2017*

### Conference Student Volunteer

*ACM CSCW 2017, 2018 (signed up)*  
*ACM COMPASS 2018*

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## TEACHING EXPERIENCE

### Teaching Assistant/Graduate Student Instructor

<i>School of Information, Univ. of Michigan</i>	Winter 2018
SI-622: Usability Testing	
Instructor: Prof. Joyojeet Pal	
<i>School of Information, Univ. of Michigan</i>	Fall 2017
SI-501: Contextual Inquiry	
Instructor: Prof. Kentaro Toyama	
<i>Dept. CSIE, Natl. Taiwan Univ. &amp;</i>	
<i>Dept. Design, Natl. Taiwan Univ. of Tech. and Sci.</i>	Spring 2013
Advanced Human-Computer Interface/User-Oriented Innovation Design	
Instructor: Prof. Hsien-Hui Tang & Prof. Mike Y. Chen	
<i>Dept. CSIE, Natl. Taiwan Univ.</i>	Fall 2011
Introduction to Computer Science	
Instructor: Prof. Jane Yung-Jen Hsu	

### Student Team Coach

<i>OpenHCI Workshop 2011</i>	07/2011
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## VOLUNTEER EXPERIENCE

### Autism Serves Volunteer

<i>StarRain Service Association for Autism</i>	Taipei, Taiwan 02/2008 – 06/2013
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